



Aboveground Storage Tanks Kaizen Event Report Out

By:
The Gun-Toting Secretaries

March 10, 2006

Background

Jeff Miller

- Need for regular inspections
- More efficiently handle administrative process
- Wanted new database
- Need to identify all above ground storage tanks over 1,101 gallons

Team Members

Jeff Quigle

- Jeff Miller, DPS, Fire Marshal
- Mike Lillebo, DPS, Fire Marshal
- Jeff Quigle, DPS, Fire Marshal
- Jeff Hove, PMCI
- Deb Grooms, IPGA
- Dennis Appelhons, DNR
- Steve Cox, Seneca
- Heath Banks, PES
- Lynn Sheets, SCE
- Terry Davis, Country Propane
- Pat McManus, Apex Oil

Objectives

Jeff Quigle

- Define and publish job functions for AST inspectors.
- Remove inspector responsibility for, or reduce involvement with, AST registration renewals.
- Use appropriate expertise for plan reviews.
- Enhance ability to comply with statutory responsibilities regarding enforcement.
- Evaluate enforcement tools and options.
- Modify website to improve owner/operator education resources.
- Streamline the registration process.
- Evaluate inspection logistics.
- Evaluate relations with other regulatory agencies.
- Evaluate consistency of enforcement.

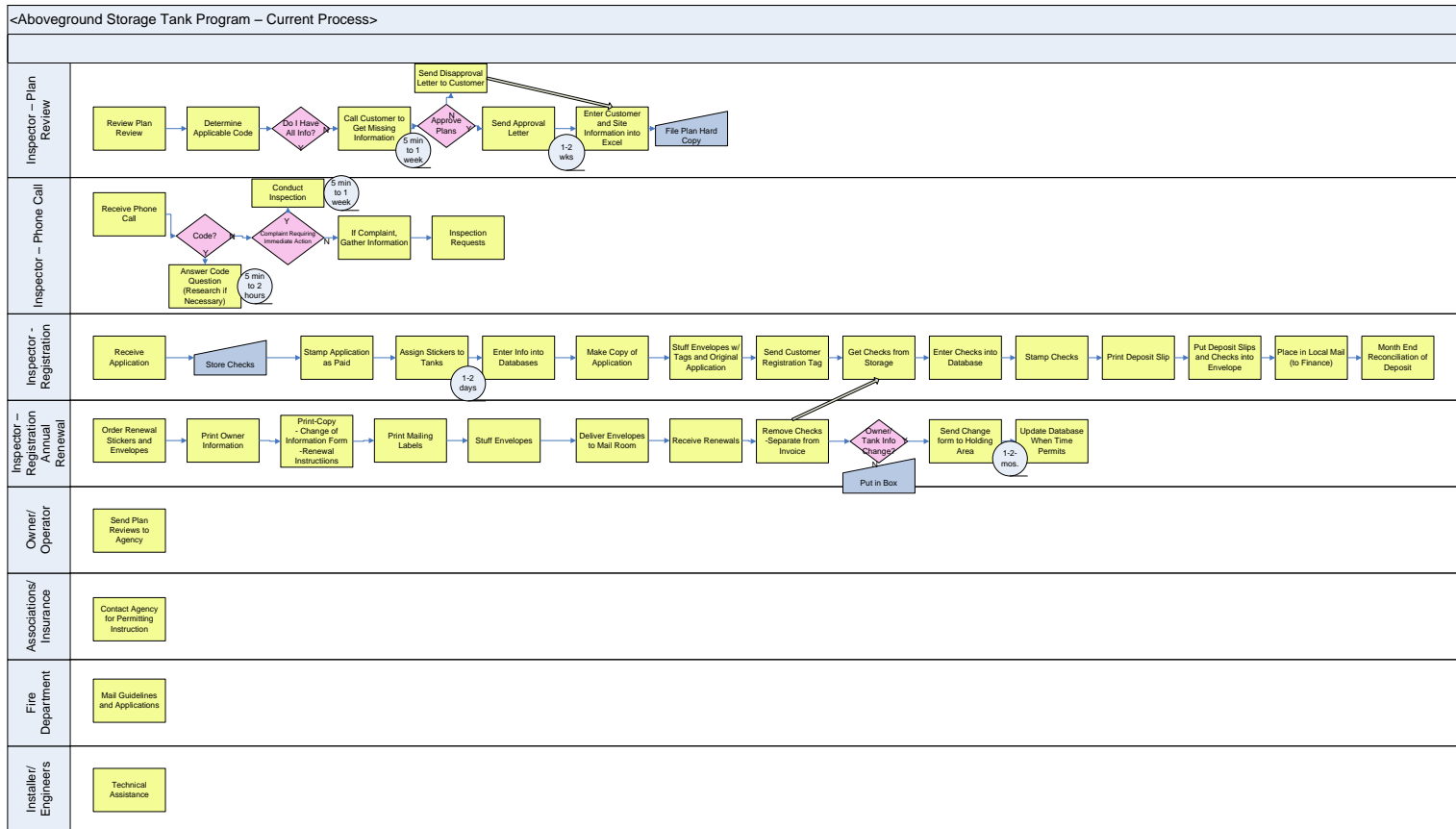
Kaizen Methodology

Jeff Hove

- Clear objectives
- Team process
- Tight focus on time
- Quick & simple
- Necessary resources immediately available
- Immediate results (new process functioning by end of week)
- 5S “mindset”, use the steps to support the event activities

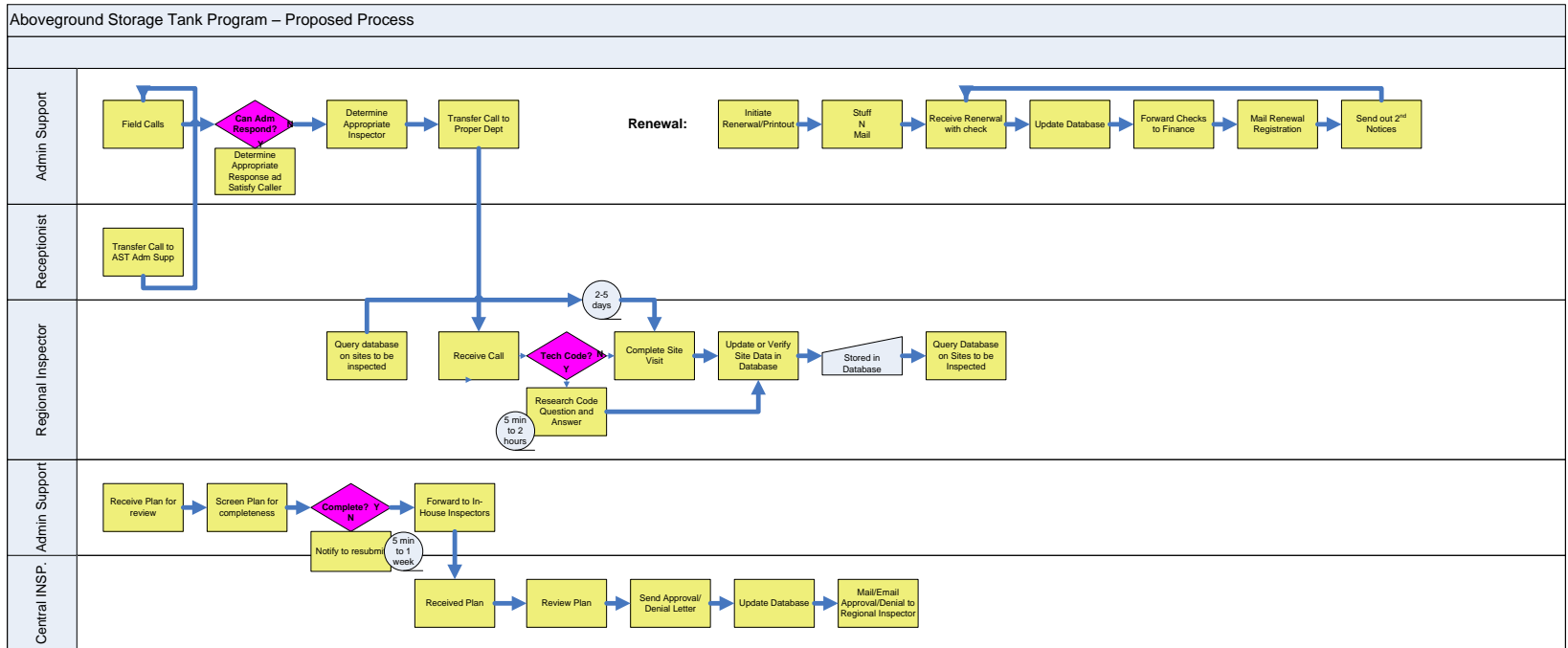
Old Process

Jeff Miller



New Process

Mike Lillebo



Results

Dennis Appelhons

	Old	New	% Change
# of Steps	36	26	27%
# of Handoffs	0	1	0%
# of Decisions	5	3	4%
# of Delays	28 – 62 days	2 – 10 days	92% - 83%
% of Value-Add	0	1	100%

Implemented

Jeff Quigle

- Move extra general inspector to flammable liquids
- Train field inspectors on AST inspections
- New relationship with DNR

Homework

Jeff Quigle

Item	What	Who	When
1	Fill 2 vacant inspector positions	Ron Humphrey	6/2006
2	Provide additional construction engineer in State Building Code Bureau to review AST/LP installations (& all other occupancies required by Code)	Stuart Crine	1/1/2007
3	Investigate using DNR tank tracking database	Mike L./ Jeff M./ Dennis A.	3/10/2006
4	Check with Finance Bureau & identify someone in Fire Marshal Division (clerical) to handle check processing	Jeff	3/10/2006
5	Investigate availability of 9/11 funds to be use for metal tags	Jeff Q.	3/10/2006
6	Add FTE for clerical position to handle calls, directing what sites to inspect	Jeff Q.	3/10/2006
7	Check on outside vendor (or DNR) to mail renewal notices.	Jeff Q.	4/1/2006
8	Check with EPA for funding.	Jeff M.	5/1/2006

Parking Lot

Lynn Sheets

- Location of LP tanks throughout the state (above 2,000 gallons)
- Ability to complete application forms on the Web.

Team Member's Experience

Deb Grooms

Comments

Jim Kenkel

We welcome your
questions and comments!